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| APPLICATION NO. 09/482,181 | FILING DATE 01/12/00 | FIRST NAMED INVENTOR ESBENSEN | ATTORNEY DOCKET NO. D TOUC.022us2 |
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EXAMINER

AN, S

ART UNIT

PAPER NUMBER

2613

DATE MAILED:

06/06/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

AMS

Office Action Summary

Application No.

09/482,181

Applicant(s)

Daniel Esbensen

Examiner

Shawn An

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☐ Responsive to communication(s) filed on _____

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-20 is/are pending in the application.

4a) Of the above, claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) 1-20 is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.

12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

a) ☐ All b) ☐ Some* c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) ☒ Notice of References Cited (PTO-892)

18) ☐ Interview Summary (PTO-413) Paper No(s). _____

16) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)

19) ☐ Notice of Informal Patent Application (PTO-152)

17) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 4

20) ☐ Other:

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DETAILED ACTION

Specification

1. Claims 9 and 11 are objected to because of the following informalities: Claims 9 and 11 are identical. Therefore, claims either 9 or 11 should be deleted/canceled. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

3. Claims 1-3, 12-14, 16-17, 19, and 20 are rejected under 35 U.S.C. 102(e) as being anticipated by Hull et al (5,806,005).

Hull et al disclose a method for surveillance, comprising: capturing a plurality of still frames (Fig. 1, element 20); generating a sequence of digital image arrays comprising a full frame and a plurality of differential frames (Col. 2, lines 1-8); transmitting the sequence to a camera coordinator (22); determining, whether an incident is associated with one or more frames in the sequence (Col. 2, lines 11-16); transmitting the sequence to an image server (14); and providing the sequence to one or more clients for viewing by a user (Col. 4, lines 36-46) as specified in claims 1, 16, and 17.

Regarding claims 2-3, 14, 19, and 20, it is considered an inherent feature for an image server to store images in a format designed for still image display, such as well known client browser, and/or designed for a pixel to be encoded/compressed as a transparent pixel, and/or

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designed for a storage of sequences for which incidents were detected for later transmission as specified.

Regarding claim 12, Hull et al disclose Internet browsing (Col. 2, lines 49-50) as specified.

Regarding claim 13, Hull et al disclose storing the sequence at the camera coordinator (22 and 24) as specified.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims (4-6, 9-11) and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al as applied to claims 1 and 17 above, respectively, and further in view of Garland et al (6,144,772).

Fukuda does not specifically disclose the image server comprising a full frame and one or more subsequent differential frames and computing a percentage value for a differential frame indicating a calculated percentage change between the differential frame and a preceding frame. However, Garland et al disclose the well known compression encoding of digitized images (Fig. 6) comprising a full frame (612) and computing one or more subsequent differential frames (618) as specified in claims 4, 10, and 18. Therefore, it would have been obvious to a person of ordinary skill in the relevant art employing an image server as taught by Hull et al to incorporate the well known compression encoding of digitized images comprising a full frame and computing one or more subsequent differential frames as taught by Garland et al so that pixels in a differential frame with values within a threshold of corresponding pixels in a preceding frame

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are set to transparent pixels, as specified in claim 6, and simply compute a percentage value for a differential frame indicating a calculated percentage change between the differential frame and a preceding frame, as specified in claims 9 and 11, for obtaining a lower bit requirements in an encoding process.

Regarding claim 5, it is considered an inherently obvious feature for an image server to store images in a format designed for still image display, such as well known client browser, and designed for a pixel to be encoded/compressed as a transparent pixel as specified.

6. Claims 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al as applied to claim 2 above, respectively, and further in view of Cronin III et al (6,182,127 B1).

Hull et al does not specifically disclose the well known PNG and GIF sill image format. However, Cronin discloses common PNG and GIF sill image format (Col. 4, lines 5-26) as specified in claims 7 and 8. Therefore, it would have been obvious to a person of ordinary skill in the relevant art employing an image server as taught by Hull et al to incorporate the well known PNG and GIF sill image format as taught by Cronin et al for displaying the view of an image from a server.

7. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hull et al as applied to claim 1 above, respectively, and further in view of Chiu et al (6,076,111).

Hull et al does not specifically disclose the image server including a network interface allowing for multiple simultaneous client connections. However, Chiu et al disclose an image server including a network interface allowing for multiple simultaneous client connections (Fig. 1) as specified in claim 15. Therefore, it would have been obvious to a person of ordinary skill in the relevant art employing an image server as taught by Hull et al to incorporate the well known network interface in order to allow multiple simultaneous client connections.

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Conclusion

8. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

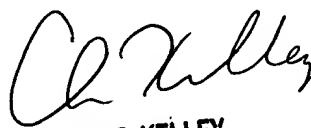
- A) Shiota et al (6,011,547), Method and apparatus for reproducing image from data obtained by digital camera and digital camera used therefor.
- B) Wang et al (6,058,428), Method and apparatus for transferring digital images on a network.
- C) Squilla et al (6,078,756), Photographic and data transmission system for capturing images and magnetic data.
- D) Safai et al (6,167,469), Digital cable having display device for displaying graphical representation of user input and method for transporting the selected digital images thereof.
- E) Mayle et al (6,018,774), Method and system for creating messages including image information.
- F) Acosta et al (6,166,729), Remote digital image viewing system and method.
- G) Doerfel (6,085,152), Apparatus and method for monitoring and reporting weather conditions.
- H) Clapper (6,023,241), Digital multimedia navigation player/recorder.

9. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawn An whose telephone number is (703) 305-0099.


ssa

May 22, 2001


CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800